

SEQUENCE PROTOCOL

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5 <120> Nucleotide sequences which code for the metR and metZ genes

<130> 000369 BT

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<160> 8

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Corynebacterium glutamicum

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<222> (447)..(1013)

<223> metR gene

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<222> (1038)..(2183)

<223> metZ gene

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aggacggtaa ttagacttat gaccagggtt aaggagggtca ccagggttgaa gccgcgctat 240

tgttccgtgg aaaagggggc cctgatctag ctgattattc atcgacagtaa gcgctttcgg 300

taggtgggtg aatcatcgta gtcttccgag ccccggtgacc cgatccggtt tgtgcaatcc 360

aatgctactc ccacagagcg ggctactttc tctaaaaatg ttctcatagt agataaaatt 420

gttcttaaag cgacattatt gtctgc atg gaa gac gat ctc agt gct gct ctc 473

Met Glu Asp Asp Leu Ser Ala Ala Leu

1

5

gtc aaa gcg ctg ttc gac gcg cga acc caa cgc agg ctc tct atc tcg 521

Val Lys Ala Leu Phe Asp Ala Arg Thr Gln Arg Arg Leu Ser Ile Ser

10

15

20

25

gcg tta gct gaa tcc tcc ggt gtg tcg cga gca atg att tcc cgc gtg 569

Ala Leu Ala Glu Ser Ser Gly Val Ser Arg Ala Met Ile Ser Arg Val

30

35

40

SubA1

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5	ggt gca ttg ggt atg acg ctt tgc gag ctc att gca cag gct gaa ggt	665
	Gly Ala Leu Gly Met Thr Leu Ser Glu Leu Ile Ala Gln Ala Glu Gly	
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10	ggc tat gac cgg ggc gct cgg cgg tca aag cag tct gta tgg aca gat	713
	Gly Tyr Asp Arg Gly Ala Arg Arg Ser Lys Gln Ser Val Trp Thr Asp	
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15	cca gct acc ggt tac aca cgg cgt gca gtg tca cag ccg tca gaa tcc	761
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20	cca cta gaa cta gtg gaa gta atg ctg cct cct ggg gcg gaa gtt ggc	809
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25	tac cca gct gat gct tat cgt ttc atg gat cag gtg gtc tgg gta ctc	857
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	Asn Pro Thr Thr Val Ala Thr Arg Tyr Leu Val Ala Leu Asp Lys Arg	
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	Val Pro Arg Ala Met Asn Phe Tyr Pro	
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50	cca tct gta cct att aac cct gcg tgg cgt cca ccc aca gta act gtg	1100
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55	caa gcg gga cgg cca gcc aga act cct ggt gcg ccg atg aac cca cct	1148
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60	atc acg ttg tcc agc act tat gtt cat gat tca gaa aaa gct tat ggg	1196
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65	cgc gat ggc aat gat gga tgg ggt gca ttt gag gct gcc atg gga act	1244
	Arg Asp Gly Asn Asp Gly Trp Gly Ala Phe Glu Ala Ala Met Gly Thr	
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70	cta gat ggt ggg ttc gcg gta tct tat tct tca ggt ttg gca gcg gca	1292
	Leu Asp Gly Gly Phe Ala Val Ser Tyr Ser Ser Gly Leu Ala Ala Ala	
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SubA1

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65	cga	gtc	cta	ccc	tct	gga	tgt	gga	aac	atg	ttg	tca	ttt	gag	ctt	gat	1964
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SubA1

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10 acc cac gcg acc agt tgg gga ggt gtg gaa aca gcc att gaa cgt cgc 2060
 Thr His Ala Thr Ser Trp Gly Gly Val Glu Thr Ala Ile Glu Arg Arg
 515 520 525 530

15 acc agg cgg gat gct gaa gtg gtg gca gga gta ccg atg act ctt tgc 2108
 Thr Arg Arg Asp Ala Glu Val Val Ala Gly Val Pro Met Thr Leu Cys
 535 540 545

20 cgc gtt tcc gta gga att gaa gac gtt gaa gat cta tgg gaa gac ctc 2156
 Arg Val Ser Val Gly Ile Glu Asp Val Glu Asp Leu Trp Glu Asp Leu
 550 555 560

25 aac gcc tca atc gac aaa gtt ctg ggt tagaactcgt agccagtaac 2203
 Asn Ala Ser Ile Asp Lys Val Leu Gly
 565 570

30 cagaccttca gtgtttgggt gccactcag tgctggggcg acatgatcag cgaagttctt 2263
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 <213> Corynebacterium glutamicum

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 35 40 45
 50 Ser Ala Ala Leu Leu Gly Arg Leu Ser Gly Ala Leu Gly Met Thr Leu
 50 55 60
 Ser Glu Leu Ile Ala Gln Ala Glu Gly Gly Tyr Asp Arg Gly Ala Arg
 65 70 75 80
 Arg Ser Lys Gln Ser Val Trp Thr Asp Pro Ala Thr Gly Tyr Thr Arg
 85 90 95
 55 Arg Ala Val Ser Gln Pro Ser Glu Ser Pro Leu Glu Leu Val Glu Val
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 Met Leu Pro Pro Gly Ala Glu Val Gly Tyr Pro Ala Asp Ala Tyr Arg
 115 120 125
 60 Phe Met Asp Gln Val Val Trp Val Leu Glu Gly Ala Val Arg Ile Thr
 130 135 140

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36

SubA1

Ala Ile Glu Arg Arg Thr Arg Arg Asp Ala Glu Val Val Ala Gly Val
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 <212> DNA
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